

### **In the Claims:**

Following is a complete listing of the claims pending in the application:

1. (Currently Amended) A test unit for an aircraft cabin telephony system, comprising:

a pair of connectors for inserting the test unit in-line within the system;

an AC voltage module operative to indicate the presence of an AC voltage when the test unit is connected to ~~the~~ a Cabin Delivery System connector of the cabin telephony system;

a signal module operative to detect the presence of data signals when the test unit is connected to the Cabin Delivery System connector;

a DC power module operative to indicate the presence of DC voltage when the test unit is connected to a seat telephony box within the cabin telephony system; and

an AC current module operative to detect an over-current condition when the test unit is connected to the Cabin Delivery System connector of the cabin telephony system.

2. (Original) The test unit of claim 1, further comprising:

a relay bank operative to selectively couple the AC voltage module, signal module, and DC power module to the pair of connectors as a function of the AC voltage present on the connectors.

3. (Original) The test unit of claim 2, wherein the signal module comprises means for detecting the presence of E1 signals.

4. (Original) The test unit of claim 3, wherein the AC voltage module comprises:

an AC voltage detect unit having  
a window comparator, and  
a current source coupled to the comparator.

5. (Original) The test unit of claim 4, wherein the signal module comprises:

an inbound E1 signal module configured to detect the presence of inbound E1 signals; and  
an outbound E1 signal module configured to detect the presence of outbound E1 signals.

6. (Original) The test unit of claim 5, wherein each of the E1 signal modules comprises:

a monostable multivibrator configured to lengthen the duration of the pulses of the E1 signal.

7. (Currently Amended) A method of testing a cabin telephony system, comprising the steps of:

removably connecting a portable test unit to a cabin delivery system connector of the cabin telephony system;

indicating a presence of an AC voltage when ~~a~~the test unit is connected to a the cabin delivery system connector of the cabin telephony system;

detecting a presence ~~a~~of data signals when the test unit is connected to the cabin delivery system connector;

indicating a presence of DC voltage when the test unit is connected to a seat telephony box of the cabin telephony system; and

detecting an over-current condition when the test unit is connected to the cabin delivery system connector.

8. (Previously Presented) The method of claim 7, wherein:  
the cabin delivery system connector is located at the junction of a cabin delivery system and a zone telephony box.
9. (Previously Presented) The method of claim 7, wherein:  
the test unit includes an AC voltage module, an E1 signal module, a DC power module, and a pair of connectors, and further comprising the step of:  
selectively coupling the AC voltage module, the E1 signal module, and the DC power module to the pair of connectors as a function of the AC voltage present on the pair of connectors.
10. (Previously Presented) The method of claim 9, further comprising the step of:  
detecting the presence of inbound E1 signals.
11. (Previously Presented) The method of claim 10, further comprising the step of:  
detecting the presence of outbound E1 signals.
12. (Previously Presented) The method of claim 9, wherein:  
the AC voltage module includes a plurality of voltage detect units, wherein each of the plurality of voltage detect units includes a window comparator and a current source coupled to the window comparator.
13. (Previously Presented) The method of claim 9, wherein:  
the E1 signals include pulses having a duration, and further comprising the step of: lengthening the duration of the pulses.

14. (Previously Presented) A test unit for a cabin telephony system, comprising:

means for indicating a presence of an AC voltage when a test unit is connected to a cabin delivery system connector of the cabin telephony system;

means for detecting a presence of data signals when the test unit is connected to the cabin delivery system connector;

means for indicating a presence of DC voltage when the test unit is connected to a seat telephony box of the cabin telephony system; and

means for detecting an over-current condition when the test unit is connected to the cabin delivery system connector.